

Department of Veterans Affairs

CAPRI Tactical Enhancements

Patch 187

Requirements Specification Document



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Revision History

Date	Version	Description	Author
05/06/2014	1.0	Initial Publication	██████████
10/23/2014	1.1	Removed TUI requirement: CAPRI shall populate the TIU record for CCR as done with in-house exams. The TIU note will be linked to the title called “C&P Examination”.	██████████

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1. Introduction

The Compensation and Pension Record Interchange (CAPRI) project is an information technology initiative to improve service to disabled veterans by promoting efficient communication between the Veterans Health Administration (VHA) and the Veterans Benefits Administration (VBA). Online access to medical data enhances the timeliness of the benefits determination. Previous attempts to automate this process were hindered by the "roll and scroll" nature of the VHA computer interface of the Automated Medical Information Exchange (AMIE). The CAPRI software acts as a bridge between the VBA and VHA information systems. It offers VBA Rating Veteran Service Representatives and Decision Review Officers help in building the rating decision documentation through online access to medical data. It also offers VHA Compensation and Pension (C&P) staff an easy, standardized way of recording C&P Examination reports.

CAPRI provides VBA employees with a standardized, user-friendly method to rapidly access veterans' electronic medical records throughout the Veterans Health Administration. CAPRI delivers leading edge "point and click" technology to the users' desktops. In addition, the learning curve for CAPRI is significantly less than that for character-based systems. CAPRI builds upon existing VHA information security approaches. In addition to using established mechanisms to ensure only authorized access to medical data, CAPRI adds a level of security by allowing VBA users to read but not alter electronic medical record information. CAPRI also provides innovative improvements for medical centers by integrating highly detailed Compensation and Pension Rating examination results into the veterans' medical record. Previously, these reports were not retained online in medical center computer systems but were archived onto paper. This procedure precluded the sharing of clinically useful data.

Initially developed specifically for VBA, the utility of CAPRI has been expanded to other user groups that include VHA, Office of the Medical Inspector, Office of Information (OI), Research, and Veteran Service Officers. Recently, most of the newest features of CAPRI are specifically targeted at adding features to be used by VHA C&P providers and staff and VBA claims processing personnel.

1.1. Purpose

The purpose of this Requirements Specification Document (RSD) is to define functional requirements for the requested changes to the Compensation and Pension Record Interchange (CAPRI) application. This document will cover requirements for user functionality.

The target audience of this RSD is CAPRI Stakeholders to include: Development staff, Enterprise Support Service, Software Quality Assurance, National Training & Education Office, and CAPRI end users. CAPRI end users include: Disability Examination Management Office (DEMO), Veterans Benefits Administration (VBA), Veterans Health Administration (VHA), and the Department of Defense (DoD).

1.2. Scope

The CAPRI Enhancements Project is based on change requests received from the Enterprise System Management (ESM) office which represents the CAPRI customers. This project will address the following:

- CAPRI will have the ability to retrieve and display Vendor exam results (XML files) that were transmitted directly to VLER DAS.
- CAPRI will have the ability to review exam results
- CAPRI will have the ability to provide approval or rejection of exam results and transmit/communicate back to VLER DAS
- Create the ability to communicate an approval or rejection status to the vendor through CCR, including comments to note issues requiring correction
- Create the ability to store the exam result back into the 2507 exam request if one exists for the Veteran; thus allowing the facility to check the referred out exam back in using CCR functionality
- When the examiner is signing/completing multiple templates merged together, create the ability to break the current merged/concatenated exam report back into single exams for purpose of PDF file creation.

Application changes driven by requirements addressed within this RSD will be released in a new version of the CAPRI GUI application and in a VistA AMIE patch.

1.3. References

- Legacy CAPRI Enhancements Business Requirements Document #1 CAPRI Development Iterations 1 through 3 April 2009
- Performance Work Statement (PWS) Department of Veterans Affairs Office of Information & Technology, Office of Enterprise Development (OED) July 20, 2011
- Rehabilitation Act of 1973, as amended (29 U.S.C. 794d) Section 508
- Office of Management and Budget (OMB) Circular A-130, Management of Federal Information Resources
- Department of Veterans Affairs (VA) Directive 6500, Information Security Program, August 4, 2006
- Department of Veterans Affairs (VA) Handbook 6500.3, Certification and Accreditation (C&A) of VA Information Systems, November 24, 2008
- 508 CAPRI Interim Compliance Test Report 12172012.

2. Overall Description

2.1. Accessibility Specifications

Section 508 Compliance

The CAPRI application is developed in compliance with VA requirements for section 508 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794d). These requirements are allocated to projects through the Requirements Analysis & Engineering Management (RAEM) team. RAEM is part of the Enterprise Systems Management (ESM) organization of the VHA Office of Health Information (OHI). The RAEM team is responsible for the allocation of enterprise-level requirements to the project team for the purposes of enterprise-wide cross project coordination. The RAEM team utilizes a repository to maintain enterprise-wide requirements that can be found:



The complete set of 508 Compliance standards may be found:

<http://www.section508.gov/index.cfm?FuseAction=Content&ID=12>

2.2. Business Rules Specification

Business Rules Specification pertaining to this patch can be found in 2.6.2.12.

2.3. Design Constraints Specification

There are no design constraint specifications unique to this patch.

2.4. Disaster Recovery Specification

There are no disaster recovery specifications specific to this effort.

2.5. Documentation Specifications

There are no documentation specifications unique to this patch.

2.6 Functional Specifications

2.6.1 System Feature: VLER Security Keys (Code CR 567)

- 2.6.1.1 Requirement:** CAPRI shall be modified to contain a new security key.
- The key will be named 'DVBA CAPRI GETDOCSFROMVLER'.
 - The key will allow users to run queries described below in System Feature 2.6.2.
 - The results of queries will display all files returned except for Pending-UnderReview.

2.6.2 System Feature: CAPRI's ability to retrieve exams from the central data store VLER DAS VDS (Excludes CCR) (Code CR 566)

- 2.6.2.1 Requirement:** VLER DAS shall allow the CAPRI application to retrieve available exam results based on all queries listed in (2.6.2.3 2.6.2.13).
- 2.6.2.2 Requirement:** The maximum number of results returned from all queries listed in (2.6.2.3 2.6.2.13) shall be 100. When the maximum number of results has been reached VLER DAS will return the 100 records and display a message stating *100 Max Record Limit Exceeded*.
- 2.6.2.3 Requirement:** CAPRI shall query VLER DAS using VA Facility ID and Date Range. ****Must exclude Pending Under Review Status****.
- 2.6.2.4 Requirement:** As a result of the Facility ID and Date Range query, CAPRI shall display the attributes listed below:
- Patient Information (First Name, Middle Name, Last Name, Date of Birth, SSN)
 - Document ID (UUID)
 - Exam ID (Generated in VistA. Example: 500-1408-6581, 500-Station Number, 1408 Unique request number, 6581 Unique exam number)
 - DBQ Document Type
 - Creation Date (Date, Time, and Time Zone)
 - Status Date (Date, Time, and Time Zone)
 - VA Facility Information (Name)
 - Physician Information (First Name, Middle Name, Last Name, ID)
 - Status of Exam Result

- 2.6.2.5 Requirement:** A second fulfilled query shall run utilizing the URL to display the specific exam result. VLER DAS will send the specific exam result to CAPRI each time the user selects an item from the query result displayed in 2.6.2.4.
- 2.6.2.6 Requirement:** CAPRI shall query VLER DAS using the Physician and Date Range. ****Must exclude Pending Under Review Status****
- 2.6.2.7 Requirement:** As a result of the Physician and Date Range query, CAPRI shall display the attributes listed below:
- Patient Information (First Name, Middle Name, Last Name, Date of Birth, SSN)
 - Document ID (UUID)
 - Exam ID (Generated in VistA. Example: 500-1408-6581, 500-Station Number, 1408 Unique request number, 6581 Unique exam number)
 - DBQ Document Type
 - Creation Date (Date, Time, and Time Zone)
 - Status Date (Date, Time, and Time Zone)
 - VA Facility Information (Name)
 - Physician Information (First Name, Middle Name, Last Name, ID)
 - Status of Exam Result
- 2.6.2.8 Requirement:** A second query shall run utilizing the URL to display the specific exam result. VLER DAS will send the specific exam result to CAPRI each time the user selects an item from the query result displayed in 2.6.2.7.
- 2.6.2.9 Requirement:** CAPRI shall query VLER DAS using the Status and Date Range. ****Must exclude Pending Under Review Status****
- 2.6.2.10 Requirement:** As a result of the Status and Date Range query, CAPRI shall display the listed attributes below:
- Patient Information (First Name, Middle Name, Last Name, Date of Birth, SSN)
 - Document ID (UUID)
 - Exam ID (Generated in VistA. Example: 500-1408-6581, 500-Station Number, 1408 Unique request number, 6581 Unique exam number).
 - DBQ Document Type
 - Creation Date (Date, Time, and Time Zone)
 - Status Date (Date, Time, and Time Zone)
 - VA Facility Information (Name)
 - Physician Information (First Name, Middle Name, Last Name, ID)
 - Status of Exam Result
- 2.6.2.11 Requirement:** A second query shall run utilizing the URL to display the individual exam result. VLER DAS will send the specific exam result to CAPRI each time the user selects an item from the query result displayed in 2.6.2.10.
- 2.6.2.12 Requirement:** CAPRI shall query VLER DAS using Multiple Selection criteria. ****Must exclude Pending Under Review Status****

The criteria used can be any combination of the elements listed below:

- PATIENT Social Security Number (Must be an exact match)
 - a. If VLER DAS receives the SSN in the request, then VLER DAS:
 - i. Retrieves exam results stored with the SSN, and
 - ii. Finds the ICN associated with the PATIENT, and
 - iii. Retrieves exam results stored with the ICN
- VA Facility ID (Must be an exact match)
- Physician Name (Not case sensitive and can be a partial match)
 - b. Last Name
 - c. First Name
 - d. Middle Name
 - e. or any combination of the above
- Status of Exam Result
- Creation Date Range (both start and end dates are required if Creation Date filter is supplied)
 - f. Start Date - Date, Time, and Time Zone, ie YYYY-MM-DDTHH:MM:SS.sssZ, eg 2014-01-09T20:40:02.161Z) - VLER DAS stores date/timezone in GMT. Data type: W3C datetime.
 - g. End Date- (Date, Time, and Time Zone, ie YYYY-MM-DDTHH:MM:SS.sssZ, eg 2014-01-09T20:40:02.161Z) - VLER DAS stores date/timezone in GMT. Data type: W3C datetime.

Business Rules:

Business Rule 1: A query must contain at least **one filter** (from column A or column B).

Business Rule 2: A query may contain zero or one item from column A.

Business Rule 3: A query may contain multiple optional criteria (column B) but only one of each kind.

Column A	Column B VLER Optional Criteria
PATIENT SSN	VA Facility ID
N/A	Physician Name
N/A	Status
N/A	Creation Date Range

- 2.6.2.13 Requirement:** As a result of the Multiple Selection query, CAPRI shall display the listed attributes below:
- Patient Information (First Name, Middle Name, Last Name, Date of Birth, SSN)
 - Document ID (UUID)
 - Exam ID (Generated in VistA. Example: 500-1408-6581, 500-Station Number, 1408 Unique request number, 6581 Unique exam number).
 - DBQ Document Type
 - Creation Date (Date, Time, and Time Zone)
 - Status Date (Date, Time, and Time Zone)
 - VA Facility Information (Name)
 - Physician Information (First Name, Middle Name, Last Name, ID)
 - Status of Exam Result
- 2.6.2.14 Requirement:** A second query shall run utilizing the URL to display the individual exam result. VLER DAS will send the specific exam result to CAPRI each time the user selects an item from the query result displayed in 2.6.2.13.
- 2.6.2.15 Requirement:** If no results are returned from any of the above listed queries to VLER DAS, CAPRI shall display a message *No record found* to the user.
- 2.6.2.16 Requirement:** CAPRI shall display a new graphical user interface (GUI) in which users will be able to view query results. This display window will contain the attributes listed in the above requirements pertaining to query results.
- TBD by CAPRI development team during the development phase. Should mirror Virtual VA per Dr. Fagan and when development of the GUI is ready, Dr. Fagan will review to make recommendations and approve the GUI.
- 2.6.2.17 Requirement:** The new GUI shall display the demographics for the PATIENT selected along the top of the screen.
- 2.6.2.18 Requirement:** CAPRI shall allow a user to sort columns by ascending or descending order.
- 2.6.2.19 Requirement:** CAPRI shall display all items (e.g., Exams, PDFs) returned from the queries. Pending Under Review exams will be excluded.
- Note:** Adobe Reader is required on the workstation to display any PDF.
- 2.6.2.20 Requirement:** CAPRI users shall have the ability to open the result(s) of the relevant query and view multiple documents in Adobe Reader.
- 2.6.2.21 Requirement:** Users shall be able to print documents utilizing the print functionality of Adobe Reader.
- 2.6.2.22 Requirement:** When a user closes the retrieval window from their workstation all open documents shall close and all temporary files will be deleted.

2.6.3 System Feature: Separate current merged PDF exam results into a separate PDF for each exam (Code CR 565)

2.6.3.1 Requirement: When an examiner signs and completes multiple templates that have been merged together, CAPRI shall provide the ability to separate the current merged/concatenated exam report back into single exams for the purpose of PDF file creation with the following exceptions:

- Co-signed exams will not be unmerged
- Co-signed exams in CAPRI will be sent to VLER DAS with one single PDF in the XML and the contents in the PDF will be merged
- Co-signed exams in CPRS will only be stored in VistA as text and not shared with other systems.

Note: This change in functionality will not impact the existing functionality for Virtual VA.

2.6.4 System Feature: DBQ template/transmission failure (Excludes CCR) (Code CR 562)

2.6.4.1 Requirement: If a transmission fails, CAPRI shall display a message indicating a transmission failure and the message will state, "Transmission to VLER failed, please try again."

2.6.4.2 Requirement: CAPRI shall allow users to retransmit the failed transmission only once. Since exam data is stored in VVA and VistA, CAPRI shall not store the failed transmission and users can locate the data from either system.

Note: CAPRI will not provide a queue for DBQ transmission failures as this process will be done in real time.

2.6.5 System Feature: In-house Exams XML Common Data (Code CR 563)

2.6.5.1 Requirement: For an in-house exam, the below fields shall be added to the existing XML Common Data File Structure for the 2507 Exam Request:

TAG (Level 1)	TAG (Level 2)	TAG (Level 3)
Approver	PersonIdentifier ServiceProviderRoleTitle RoleofPersonReference	IdentificationID AssigningAuthority
Person (id=three) - Approver	PersonName	PersonGivenName PersonMiddleName PersonSurName

Exam Detail	<p>1. PhysicalSource See table below.</p> <p>For In-house exams, CAPRI will be sending "VHA_CAPRI".</p> <p>2. ExamID</p> <p>*Optional for In-house exams*</p> <p>3. ExaminerType</p> <ul style="list-style-type: none"> • Inhouse - (Internal VHA Examiners) • Contracted - (Contracted by the VA) • External - Unknown/External to VA <p>For In-house exams, CAPRI will be sending "Inhouse"</p> <p>4. ContractType 'VBA' (VBA Contract) 'VHA' (VHA Contract) For In-house exams, CAPRI will not populate this field.</p> <p>5. StatusDate</p> <p>The date that the status of the exam result was initially assigned or changed. For example, the date that the VHA approver set the exam status to 'Rejected'. Field is of type W3C Date-Time. Required format is YYYY-MM-DDTHH:MM:SSZ (e.g. 2013-01-02T00:00:00Z)</p> <p>For In-house exams, CAPRI will be sending the current data/time.</p> <p>6. Comments</p>	N/A
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Physical Source	Value
Veterans Evaluation Service	'VES'
CAPRI	'VHA_CAPRI'
Quality, Timeliness, Customer Service Management Inc. (QTC)	'QTC'
Medical Services of Los Angeles (MSLA)	'MSLA'
Logistics Health Incorporated (LHI)	'LHI'

2.6.5.2 Requirement: CAPRI shall include the highlighted additional data elements listed in 2.6.5.1 in the existing XML Common Data File Structure and send to VLER DAS to store so that VBMS can understand the context of the exam results.

2.6.6 System Feature: Non-C&P exams (Code CR 564) **This system feature along with requirements will not be included in Patch 187 per business owner Dr. Fagan.

2.6.6.1 Requirement: CAPRI shall have the ability to create XML files for templates that are designated as non-C&P exams and will be stored in VistA.

2.6.6.2 Requirement: CAPRI shall transmit Non-C&P exams to VLER DAS.

Note: All existing functionality for Non-C&P exams will remain (e.g., Progress Note).

2.6.7 System Feature: Vendor exam requests from CCR (CAPRI Contract Referral) (Code CR 568)

2.6.7.1 Requirement: CAPRI (CCR) shall notify VLER DAS that a new 2507 Exam Request has been submitted. The VHA user may assign one or many exams from the new 2507 Exam Request to a vendor (US0011.12).

Note: A new Exam Request may include in-house exams or exams that have been assigned to multiple vendors for disability claim evaluation. VBA requests a new exam that is sent to VHA, VHA then determines whether the exam(s) can be done in-house or will be sent to a vendor. In-house exams are not part of the CCR functionality.

2.6.7.2 Requirement: CAPRI shall add the below additional elements to the existing 2507 Exam Request XML that will be transmitted to VLER DAS.

Note: VLER DAS will not validate the Exam Request from CAPRI.

Note: CAPRI does not validate details sent from VistA or other external systems.

CAPRI 2507 Exam Request XML Data
Add - New for CAPRI Version (Version for the XML structure of the request)
Add - New for CAPRI Request Status: CAPRI will send with a value of 'Open'
Add - New for CAPRI Request ID **Identifier for the exam request. This is a UUID CAPRI generates for VLER DAS. VLER DAS uses this ID to manage DBQ requests.
Add - New for CAPRI VALUE (SSN)
Add - New for CAPRI ICN (PATIENT) **If the ICN does not exists, CAPRI will not perform an MVI call for this patch 187**
Add - New for CAPRI ASSIGNING AUTHORITY ICN (PATIENT) <ul style="list-style-type: none"> Department of Veteran Affairs Department of Defense Social Security Administration
Add - New for CAPRI ASSIGNING_AUTHORITY (MEDICAL_CENTER) <ul style="list-style-type: none"> Department of Veteran Affairs
Add - New for CAPRI PHYSICAL SOURCE Identifies where to send the request. **See table below**

Physical Source	Value
Veterans Evaluation Service	'VES'
Quality, Timeliness, Customer Service Management Inc.	'QTC'

(QTC)	
Medical Services of Los Angeles (MSLA)	'MSLA'
Logistics Health Incorporated (LHI)	'LHI'

Note: VLER DAS will store the Exam Request information in the VLER Data Store and will send a “Notify Vendor DBQ Exam Request Available” Notification Event to the contracted vendor identified in the “Physical Source” element of the XML listed above. The contracted vendor will retrieve the Exam Request using the URL in the “Notify Vendor DBQ Exam Request Available” Notification Event. VLER DAS will facilitate the retrieval of the Exam Request.

2.6.8 System Feature: VLER DAS event notification “DBQ Status is Pending-Under Review” (Code CR 569)

Note: VLER DAS will reject the Exam Result back to the vendor if any required field from VLER is not supplied by the vendor.

- 2.6.8.1 **Requirement:** CAPRI shall be modified to retrieve an event notification sent from VLER DAS titled “DBQ Status is Pending-Under Review” for a specific exam result.
- 2.6.8.2 **Requirement:** CAPRI shall display the “DBQ Status in Pending-Under Review” in a location TBD by development during the development phase for users to view.
- 2.6.8.3 **Requirement:** CAPRI users shall be able to use the identifying information provided in the notification to retrieve the exam result from VLER DAS which will include the following information:
 - a. “DBQ Exam Result Available Status Pending-UnderReview Notification Event Time Stamp” (i.e., Date/Time/TimeZone for the event, i.e. YYYY-DD-MMThh:mm:ss.sssZ, e.g. 2014-01-09T20:40:02.161Z): VLER DAS generates this element.
 - b. “Uniform Resource Locator (URL)” for the exam result to allow CAPRI to retrieve the exam result and each attachment.

DBQ Common Data Elements included in the event notification:

- c. Veteran/Service Member (PATIENT) Information:
 - i. “PATIENT Last Name” (ASCII)
 - ii. “PATIENT First Name” (ASCII)

- iii. "PATIENT Middle Name" (ASCII)
 - iv. "PATIENT Social Security Number" (SSN)
 - v. "PATIENT Date of Birth"
 - vi. "PATIENT Gender"
- d. "Document ID" a universally unique identifier (UUID) generated by the contracted vendor when the exam result is initially created (required). CAPRI must include this value in the DBQ XML Common Data as the exam result moves forward within the exam management process.
- e. "Disability Benefits Questionnaire (DBQ) Document Type" - For example, 'Ischemic Heart Disease Disability Benefits Questionnaire'
- f. "Create Date" (Date/Time/TimeZone) - Date the exam was completed by the VHA-contracted vendor (ie: YYYY-MM-DDThh:mm:ss.sssZ eg:2014-01-09T20:40:02.161Z). VLER DAS will assure that the date in the notification complies with the format YYYY-MM-DDThh:mm:ss.sssZ. Applications must include this value in the DBQ XML Common Data as the exam result moves forward within the exam management process.
- g. Physician Author/Examiner Information (These values are generated within the original exam result. Applications must include these values in the DBQ XML Common Data as the exam result moves forward within the exam management process.):
 - i. "Physician Last Name" (ASCII)
 - ii. "Physician First Name" (ASCII)
 - iii. "Physician Middle Name" (ASCII)
 - iv. "Physician ID" National Provider Identifier
 - v. "Physician ID Assigning Facility or Assigning Authority"
- h. "Status" (The VHA contracted vendor will set this value to 'Pending-UnderReview'.
- i. "Status Date" (Date, Time, and Time Zone, i.e.,: YYYY-MM-DDThh:mm:ss.sssZ, eg: 2014-01-09T20:40:02.161Z). The VHA-contracted vendor sets this value to the Date/Time the exam result was assigned a 'Pending-UnderReview' status, and sends in the XML common data with the exam result.
- j. VA Facility Information (for the Veteran):
 - i. "VA Facility ID"

- ii. "VA Facility Name"
 - iii. "VA Facility ID Assigning Authority"
- k. "Claim Number"
- l. "Comments"
- m. "Physical Source" (Vendor who sent the data)
- n. "Examiner Type"
 - i. Inhouse (VHA examiners): 'In-house'
 - ii. Contracted: 'Contracted'
 - iii. External (private examiners): 'External'
- o. "Contract Type"
 - i. 'VBA' (VBA Contract)
 - ii. 'VHA' (VHA Contract)
- p. "Exam ID"- Generated by CAPRI with the Exam Request. Contains the VA Station Number, a Unique Request Number (related to the Claim), and a Unique Exam Number (for an expected individual exam result). For exams created by the Vendor that do not have an existing Exam ID, the Vendor uses an ExamID from the same request that generated the need for additional exam(s)
- q. "Date of Receipt" (YYYY-MM-DDThh:mm:ss.sssZ)

Note: VLER DAS will only send available information (provided by the contracted vendors) stored in the VA repository with the "DBQ Status is Pending-Under Review" event notification. For example, if physician middle name is not present in the exam result when stored, then VLER DAS cannot return the physician middle name in the notification. VLER DAS will facilitate CAPRI's retrieval of the exam result, including all attachment(s).

2.6.9 System Feature: Retrieve exam results with a status of “Pending-UnderReview” (Code CR 570)

- 2.6.9.1 Requirement:** The CAPRI (CCR) user shall retrieve the vendor exam results with a status of Pending-UnderReview from VLER/DAS. The exam result will contain a Text File, PDF, Attachments and the DBQ XML which will include Common Data for each result.
- 2.6.9.2 Requirement:** CAPRI (CCR) shall display the vendor exam results for users to view.
- 2.6.9.3 Requirement:** When a vendor exam result contains a PDF attachment, CAPRI (CCR) shall have the ability to allow users to open and display the PDF for viewing. **Requirement:** CAPRI (CCR) shall provide relevant status (Completed or Rejected) of vendor exam results and transmit the status back to VLER DAS.
- 2.6.9.5 Requirement:** When a reviewer determines an Exam Result is “Rejected” CAPRI shall send the DBQ XML Common Data and the documented insufficiencies in the Marked-Up Word Document (one exam Result marked up by the reviewer) back to VLER DAS. The common data elements in the DBQ XML are listed in requirement 2.6.9.7.
- Note:** VLER DAS will make available the “DBQ Exam Result Rejected Status” event notification to the original contracted vendor (per the physical source indicated in the XML). This will allow the contracted vendor the ability to provide the additional details needed for the claim. Vendor(s) will retrieve the rejected exam status and the Marked up Word Document and VLER DAS will facilitate the vendor’s retrieval of the attachment(s).
- 2.6.9.6 Requirement:** When a reviewer determines an Exam Result is “Completed” CAPRI shall send the DBQ XML Common Data for each approved Exam Result, the status of “Completed”, Status Date and Approver to VLER DAS. The common data elements in the DBQ XML are listed in requirement 2.6.9.7.
- Note:** VLER DAS stores the DBQ XML Common Data for the ‘Completed’ Exam Result and will make the “DBQ Exam Result Available Status Completed” event notification available to consumers along with facilitating the retrieval of the notification.
- 2.6.9.7 Requirement:** For Completed or Rejected exams, the fields listed below shall be added to the **existing** DBQ XML Common Data File Structure:

TAG (Level 1)	TAG (Level 2)	TAG (Level 3)
Approver	PersonIdentifier ServiceProviderRoleTitle RoleofPersonReference	IdentificationID Assigning Authority
Person (id=three) - Approver	PersonName	PersonGivenName PersonMiddleName PersonSurName
Exam Detail	PhysicalSource	N/A

N/A	ExamID	N/A
N/A	ExaminerType Contracted: 'Contracted'	N/A
N/A	ContractType Ex: 'VBA' (VBA Contract) 'VHA' (VHA Contract)	N/A
N/A	StatusDate The date that the status of the exam result was initially assigned or changed. For example, the date that the VHA approver set the exam status to 'Completed'. Field is of type W3C Date-Time. Required format is YYYY-MM-DDTHH:MM:SSZ (e.g. 2013-01-02T00:00:00Z)	N/A
N/A	Comments	N/A

2.6.9.8 Requirement: If a transmission fails, CAPRI shall display a message indicating a transmission failure and the message will state: "Transmission to VLER failed, Vendor is NOT in receipt of transmission, if error persists, please try again later."

2.6.9.9 Requirement: CAPRI shall have the ability to support both SFTP file grab and new functionality until "ALL" vendors have the ability to transmit. No additional functionality will be added to the SFTP process.

2.6.10 Manifest Event Notification (Code CR 571)

The vendor will send a new notification to VLER DAS. This will be a notification of a manifest of all the exam result(s) / DBQs that the vendor is sending for a specific patient and 2507 Exam Request. The manifest will include a list of all the exam results that form a complete "package". This will be the last notification sent when a vendor completes all the exams requested for one patient. This Manifest will ensure that the vendor transmission of multiple exam results tie back properly to original requests without error and with proper tracking of sequence of versions of results.

2.6.10.1 Requirement: VLER DAS shall send a "DBQ Exam Result Manifest Available" Notification Event to CAPRI.

2.6.10.2 Requirement: CAPRI shall be modified to retrieve the "DBQ Exam Result Manifest Available" Notification Event from VLER DAS for the Manifest.

2.6.10.3 Requirement: The elements listed below shall be sent in the "DBQ Exam Result Manifest Available" Notification Event to CAPRI from VLER DAS:

- A URL to allow CAPRI to retrieve the DBQ Manifest.

- The date time when the notification is sent (YYYY-MM-DDTHH:MM.SS.ssZ eg 2014-01-09T10:20:35. 161Z
- The Manifest ID A Universal Unique Identifier (UUID) for the manifest for tracking purposes. (The vendor will generate this).

2.6.10.4

Requirement: After all exams have been completed by the vendor the manifest shall contain the below elements:

- The Manifest ID A Universal Unique Identifier (UUID) for the manifest used to track the manifest. The vendor generates this.
- Manifest Date The date time when the manifest is created in GMT (i.e. YYYY-MM-DDTHH:MM:SS.sssZ eg 2014-01-09T20:40:02.161Z).
- Station Number - This is the medical center station number
- Patient Information:
- Patient Last Name (ASCII)
- Patient First Name (ASCII)
- Patient Middle Name (ASCII)
- Patient Social Security Number (SSN)
- Patient Integration Control Number (ICN)- ****If available****
- Patient Date of Birth
- Patient Gender
- Exam Result information:

Note: A Manifest may contain data elements for one or more Exam Results and will include the following data elements for each Exam Result.

- EXAM NAME Name of the document type for the DBQ exam type requested. For example, 'Heart Conditions Disability Benefits Questionnaire'. (VLER-DBQ Document Type)
- Exam ID - Example: 500-1408-6581, 500- Station Number, 1408 - Unique request number, 6581 Unique exam number.
- Document ID A universally unique identifier (UUID) generated by the contracted vendor when the exam result is initially created (required). CAPRI must include this value in the DBQ XML Common Data as the exam result moves forward within the exam management process. (For the DBQ)
- Create Date The date time the exam result was created, from the Exam Result.

CAPRI Manifest XML Data:

TAG (Level 1)	TAG (Level 2)	TAG (Level 3)
VERSION XML: schemaVersion="0.9"	N/A	N/A
MANIFEST ID XML: ManifestID A Universal Unique Identifier (UUID) for the manifest used to track the manifest. The vendor generates this.	N/A	N/A
STATION NUMBER XML: StationNumber This is the medical center station number.	N/A	N/A
Patient	LASTNAME XML: LastName FIRSTNAME XML: FirstName MIDDLENAME XML: MiddleName SOCIAL SECURITY NUMBER XML: SSN INTEGRATION CONTROL NUMBER ICN XML: ICN **If the ICN does not exist, CAPRI will not perform an MVI call for patch 187** DATE OF BIRTH XML: DateOfBirth GENDER XML: Gender	N/A
EXAMS	EXAM	EXAMNAME XML: ExamName EXAMID XML: ExamID DOCUMENT ID XML: DocumentID RESULT CREATE DATE XML: ResultCreateDate

MANIFEST DATE XML: ManifestDate		
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- 2.6.10.5 Requirement:** CAPRI shall process all results all together, once the manifest is received.
- 2.6.10.6 Requirement:** If a rejection of an exam result occurs for which the EXAMID was not originally sent by CAPRI, the new EXAMID shall be sent in the rejection with the vendor's DOCUMENTID thus allowing the vendor to tie back the rejected exam.
- 2.6.10.7 Requirement:** The manifest of the rejected exam(s) results from the vendor shall contain the EXAMID sent by CAPRI and the vendor will send back a new DOCUMENTID.

2.6.11 Virtual VA Security Key (Code CR 577)

For CAPRI users that previously had the security key "DVBA CAPRI DENY_GETVBADOCS," applied to their user account to deny access to the "Get Docs from Virtual VA" functionality, the business now requires the security key to be replaced.

- 2.6.11.1 Requirement:** CAPRI shall be modified to contain a new security key.
- 2.6.11.2 Requirement:** The new key shall be named "DVBA CAPRI GETVBADOCS." and the CAPRI GUI shall be updated so that users must have this new key on their accounts in order to view the "Get Docs from Virtual VA" option in CAPRI.
- 2.6.11.3 Requirement:** Users without the "DVBA CAPRI GETVBADOCS" shall not have permission to use the "Get Doc from Virtual VA" functionality in CAPRI.
- 2.6.11.4 Requirement:** Deployment of "DVBA CAPRI GETVBADOCS" shall include a one-time update process to insure VHA employees who currently utilize the "Get Docs from Virtual VA" functionality maintain existing access.
- 2.6.11.5 Requirement:** Deployment of "DVBA CAPRI GETVBADOCS" shall have a one-time update process that will delete the existing "DVBA CAPRI DENY_GETVBADOCS" from all existing users.
- **This requirement is being removed from P187 and will be addressed in a future patch.**
- 2.6.11.6 Requirement:** Deployment of "DVBA CAPRI GETVBADOCS" shall remove the option for adding the existing key "DVBA CAPRI DENY_GETVBADOCS" to future users.

****This requirement is being removed from P187 and will be addressed in a future patch.**

2.6.11.7 **Requirement:** The CAPRI GUI shall be updated to ignore the key “DVBA CAPRI DENY_GETVBADOCS.”

2.6.12 Add “DBQ Medical SHA” to the AMIE Exam File (Code CR 544)

2.6.12.1 **Requirement:** CAPRI shall be modified with a new entry “DBQ Medical SHA” added to the “AMIE EXAM File (#396.6).

2.6.12.2 **Requirement:** The exam type shall be available as a selectable exam under C&P Exams tab, Add New C&P Exam window, List of Exams.

2.7 Graphical User Interface (GUI) Specifications

For this patch the following new GUI interfaces will be added.

- Get Exams from VLER DAS list of exams.
- View a single exam.

- Retrieve/view exams submitted by external contractor.
- View a single exam for signature.
- Sign exam.

2.8 Multi-divisional Specifications

- CAPRI does operate in a multi-site environment
- CAPRI allows a CAPRI remote user to view data across location domains according to the user's permissions
- CAPRI filters data according to a user's permissions.

2.9 Performance Specifications

2.9.1 Number of Simultaneous Users

There is no known limitation on the number of simultaneous users that can be supported by the CAPRI application.

2.9.2 Memory Constraints

A minimum of 1 GB of RAM is recommended, but there is no established minimal amount of memory requirement.

2.10 Quality Attributes Specification

There are no additional Quality Attributes specific to this Patch.

2.11 Reliability Specifications

Availability

2.11.1 The CAPRI application should be available 100% percent of time.

2.11.2 The CAPRI application has a dependency on an active server connection.

2.12 Scope Integration

- The VA's Remote Procedure Call (RPC) Broker application will be used for communication between the client and the VistA system
- The RPC Broker application will be used to connect to Federal Health Information Exchange (FHIE)/Bidirectional Health Information Exchange (BHIE) and will be used to pull DoD electronic theatre data
- FILEMAN Components for Delphi for retrieval and loading of data in AMIE files in VistA are used
- Computerized Patient Record System (CPRS) broker calls for which there are integration agreements established
- Text Integration Utility (TIU) broker calls for which there are integration agreements established

- Web services provided by Virtual VA will be used to connect and transfer documents
- Secure FTP will be used to connect and transfer documents between CAPRI and the contracted vendors for CCR
- Web services provided by VLER/DAS will be used to connect and transfer documents between CAPRI and VBMS.

2.13 Security Specifications

The CAPRI application is developed in compliance with VA requirements for security and privacy as defined in VA Directive 6500, and Office of Management and Budget (OMB) Circular A-130. The requirements imposed by these standards are allocated to projects through the Requirements Development and Management (RDM) team.

2.14 System Features

- CAPRI will have the ability to retrieve and display Vendor exam results (XML files) that were transmitted directly to VLER DAS.
- CAPRI will have the ability to review exam results
- CAPRI will have the ability to provide approval or rejection of exam results and transmit/communicate back to VLER DAS
- Create the ability to communicate an approval or rejection status to the vendor through CCR, including comments to note issues requiring correction
- Create the ability to store the exam result back into the 2507 exam request if one exists for the Veteran; thus allowing the facility to check the referred out exam back in using CCR functionality
- When the examiner is signing/completing multiple templates merged together, create the ability to break the current merged/concatenated exam report back into single exams for purpose of PDF file creation.

2.15 Usability Specifications

There are no additional usability specifications unique to this Patch. Usability specifications associated with Section 508 compliance are covered in "Section 508 Compliance" in this document above.

3 Applicable Standards

The following applicable standards are imposed on projects through the RAEM team. The RAEM team is responsible for the allocation of enterprise-level requirements to the project team for the purposes of enterprise-wide cross project coordination.

3.6 Security

The CAPRI application shall be developed in compliance with VA Directive 6500, Information Security Program. VA Directive 6500 requirements applicable to the CAPRI project are allocated to projects through the Office of Enterprise Development. VA Directive 6500 may be found in its entirety at:

www.va.gov/vapubs/viewpublication.asp?pub_id=342&ftype=2

The CAPRI application shall be developed in compliance with the Office of Management and Budget (OMB) Circular A-130, Appendix III, Security of Federal Automated Information Resources. Circular A-130 requirements applicable to the CAPRI project are allocated to projects through the Office of Enterprise Development. Circular A-130 may be found in its entirety at:

<http://www.whitehouse.gov/omb/circulars/a130/a130trans4.html>

4 Interfaces

4.6 Communications Interfaces

The current interface with VLER DAS will be expanded to handle system features in section 2.6.

4.7 Hardware Interfaces

There are no additional Hardware interfaces for this Patch.

4.8 Software Interfaces

There are no additional Software interfaces for this Patch.

4.9 User Interfaces

There are no additional User interfaces for this Patch.

5 Legal, Copyright, and Other Notices

There is no unique Legal, Copyright or Other Notices applicable to this Patch.

6 Purchased Components

There are no additional purchased components for this Patch.

7 User Class Characteristics

There are no unique user class characteristics for this Patch.

8 Estimation

A request for the Function Point Count (FPC) estimate will occur after approval of this RSD and the results will be located under "CAPRI Tactical Enhancements" in the Technical Services Project Repository (TSPR).

9 Approval Signatures

[REDACTED]
IPI Chair/Project Mgr.

From: [REDACTED]
Sent: Thursday, September 12, 2013 5:55 PM
To: [REDACTED]
Subject: RE: **Your Approval of the Requirements Specification Document is requested** CAPRI MS1

I concur

X

[REDACTED]
Business Sponsor

From: [REDACTED]
Sent: Tuesday, September 17, 2013 9:41 AM
To: [REDACTED]
Subject: RE: ** [REDACTED] please read** Approvals Needed

Classification: [Not VA Sensitive// Not VA Record](#)

I approve the documents listed below.

RSD, ACP, SDD and PMP.

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

X

Business Sponsor

From: [REDACTED]
Sent: Friday, September 13, 2013 8:33 AM
To: [REDACTED]
Subject: RE: **Your Approval of the Requirements Specification Document is requested** MS1

approve

X

HP Project Manager

From: [REDACTED]
Sent: Thursday, September 12, 2013 5:54 PM
To: [REDACTED]
Subject: RE: **Your Approval of the Requirements Specification Document is requested** CAPRI MS1

I concur

[REDACTED]